SPS-500 Series

Hybrid ECRs for Retail and Food Service Establishments

Featuring a hybrid design, SAM4s has combined fast and simple ECR keyboard entry with an intuitive touch screen operator display. The SPS-500 is easily configured for your food, beverage, or retail business and provides the functions and options you need to meet your point of service needs.

SPS-500 Series Hybrid ECRs Shown with Optional Card Reader

SPS-520 FT
Flat Spill-Resistant Keyboard;
Receipt and Journal Printers

SPS-520 RT
Raised-Key Keyboard;
Receipt and Journal Printers

SPS-530 FT
Flat Spill-Resistant Keyboard;
3" Receipt Printer

SPS-530 RT
Raised-Key Keyboard;
3" Receipt Printer

Reliable ECR Platform – Exceptional POS Capability

Using robust integrated software, your authorized SAM4s dealer can design your custom application by choosing from an array of features available for food and retail operators. The SPS-500 is an ideal replacement for older-technology ECRs, a cost-effective alternative to PC-based POS systems, and a powerful platform for independent franchises, multi-unit operators and chain accounts.

- **Casual Dining • Family Style Restaurants • Bar/Restaurants**
- **Quick Service Restaurants • Sandwich • Bakery • Pizza**
- **Coffee • Taco • Hamburger • Ice Cream and Yogurt • Deli's**
- **Specialty Foods • Specialty Gourmet • Liquor Stores**
- **Beer/Wine • Gift Shops**

Choose a Flat or Raised-Key Keyboard

The flat-keyboard configuration can easily accommodate over 100 one-touch preset keys, significantly more than any touch screen POS terminal. Your cashier can locate and register items quickly, keeping your lines moving. The raised keyboard provides all the functions required by busy retailers.

Lock & Key Security

Authority is managed using traditional, secure cash register keys.

Display Up to 200 Operator Screens with 24-Items per Screen

The color touch screen can be configured to guide the operator through choices of flavors, toppings, condiments, and instructions. If you sell a combo meal, a screen or series of screens can display to reflect the combo choices. If the item requires condiments or instructions, the screen can lead your operator through options and additional choices.

7" Color Touch Screen Improves Order Entry Accuracy

Unlike an ECR that may display only the last item entered, the SPS-500 displays the entire order, allowing your operator to confirm the order and then refer to the display as they fill it.

On Screen Manager and Program Access

Access manager and programming functions intuitively through menus and on-screen options. Programming and editing can be done without referring to manuals. Managers can easily view report data and quickly adjust to changing conditions.

Flexible, Built-In Printers

A cost-effective design allows the built-in printer to generate both receipts and requisitions – the 3" printer (SPS-530) delivers an extremely high-quality requisition. If multiple ECRs are connected in the same network, print jobs can be directed to the printer in another ECR, effectively allowing one ECR to double as a system kitchen printer. In the same manner, receipts or journal data can be routed as demanded by the application.

Popular POS Workstation Components Included – Not Added On

An extremely cost-effective and environmentally friendly bundle – each SPS-500 includes a high quality international-style cash drawer, high-speed thermal printer(s), a rear customer display, and consumes less than 25 watts.

Thermal Printer(s)

Reliable high-speed thermal receipt printer(s) featuring quick and easy drop-in paper loading.

Color Touch Screen

The adjustable 7" color touch screen features up to 24 key positions per screen.

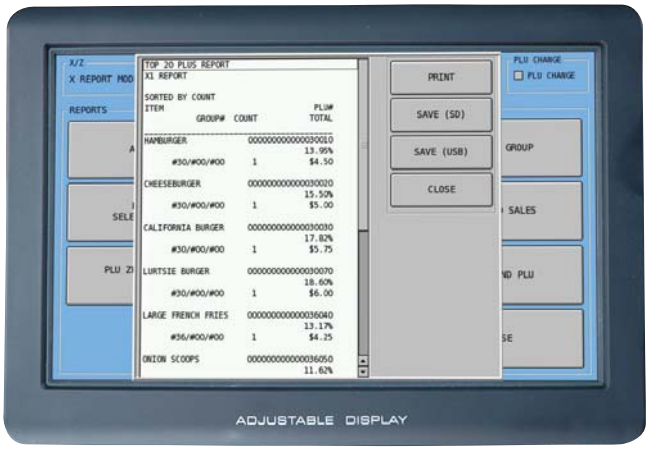
Standard Cash Drawer

Features an extra-deep adjustable 5 bill, 8 coin insert, two media slots and a standard security lock & key.

Rear Display

The rear display allows consumers to monitor prices as items are entered and view the sale total.

System Features



System Reports

A menu driven selection of reports can be viewed on the ECR screen, printed at a local printer, polled remotely, sent electronically via FTP or saved to SD/ USB memory. Sales information can be simultaneously collected on up to five different periods: for daily, weekly, monthly, quarterly or yearly record keeping.

Standard Network Support

SPS-500 series ECRs can be connected in a fast and reliable Ethernet-style network. Networking supports report data consolidation, ECR programming, payment authorizations, polling, plus printer and video requisition routing.

Kitchen requisition printed by the SPS-530 80mm receipt printer shown 75% actual size.

Time and Attendance

A basic time and attendance system provides payroll ready data for your in-house payroll system or payroll service. You get critical labor reporting, including sales/labor percentage and sales per man-hour. Information is easily accessible by store managers for real time staff management.

Remote Polling

Poll by dial-up or Ethernet connection. Companion software for your PC, SAM500, supports your application by first polling sales information from individual ECRs, ECR networks or multiple remote locations. In your office SAM500 provides item file management and inventory functions. You can easily add or delete menu items and send new menu screens to your restaurants for daily, weekly or seasonal promotions.

Insure Speed, Security and Efficiency with Integrated Credit, Debit and Gift Card Payments

Electronic payment sales can be processed in a single step at the SAM4s SPS-500 with an optional DataTran™ integrated payment appliance.

- The SPS-500 is electronic payment and gift card processing ready – no additional software modules are required.
- Free gift card processing is available through selected processing partners.
- Transactions can be processed in two seconds or less using the latest IPTran™ or TwinTran™ technology and a persistent internet connection.
- One Tran appliance can be used to process payments for a network of SPS-500 series ECRs.

Cable Management

Connections are concealed in a recessed compartment, secure from accidental damage or disconnection.

Memory Expansion

Expand memory using convenient compact flash technology. No disassembly required.

Secure SD Port

SD Card Utilities include program Save/Load, report or screen capture, firmware updates & graphics uploading.

USB Port in Front

Connect a keyboard to make programming quick and easy; or use a USB stick to Save/Load programs.

Options and Components

Enhance the powerful SPS-500 series hybrid ECR with optional peripherals to complete a sophisticated system configuration.

Magnetic Card Reader

Use to swipe payment cards when integrated payment options are implemented, or to log or clock in employees.

Remote Printing

The SAM4s Ellix 20 high-speed thermal printer can print two-color, bar codes and watermarks.

Bar Code Scanning

Enjoy the advantages of scanning – price control, item movement reporting and labor savings.

Polling and Inventory Software

Poll your ECR from a local or remote PC using SAM500 or PC/Poll.

Features

- Memory Allocation System:
  - Up to 60,000 PLUs*
  - Up to 999 Clerks*
  - Up to 99 Groups*
  - Up to 9,999 PLU Status Groups*
  - Up to 200 Key Link Menu Screens*
  - Up to 32 Registers per Network*
  - Up to 4 Hard/Soft Check Files*

  * With Optional Expanded Memory
- 20 Character Programmable PLU Descriptors
- 6-Line Preamble Receipt Message
- 6-Line Postamble Receipt Message
- Graphic Logo Printing on Receipt
- Stock Management
- Ingredient File
- Condiment Items
- 20 Price Levels (5 per PLU)
- Manager Control
- Link PLU
- Receipt On Demand
- Training Mode
- 6 Taxes by Tables, % or VAT
- 10 Discounts/Surcharges
- Cash/Check/Misc 1-16 Tendering
- 5 Currency Conversion Rates
- 0-3 Decimal Point (Selectable)
- Add Check
- Delivery Tracking
- Post Tendering
- Cash Declaration
- Check Tracking by Alpha
- Paid Check Recall
- Electronic Journal
- Over 60 Reports
- Not Found PLU

Specifications

Printer Type:	Direct Thermal, Drop-and-Print
Printer Stations – SPS-530:	Receipt/Requistion 80mm Printer
SPS-520:	Receipt and Journal 58mm Printers
Printer Speed – SPS-530:	100mm per Second
SPS-520:	80mm per Second
Displays – Operator:	7" TFT-LCD Touch Screen
Customer:	Pop-Up Turret, 2 Lines by 16 Characters
Keyboard Capacity – Flat:	160 Programmable Locations
Raised:	Up to 90 Programmable Locations
Serial Ports:	Four Powered (5V Out) COM1 & COM2 (D-Sub-9M) COM3 & COM4 (RJ45)
USB Ports:	Two v2.0 (1 Front / 1 Rear)
Cash Drawer Ports:	Two Additional RJ11 (24V) Ports (Supports Open/Close)
LAN Port:	10/100 Base-T Ethernet (TCP/IP)
Card Reader:	Optional Integrated Dual Track MCR
Compact Flash:	Optional 6MB Compact Flash Memory Expansion
Standard Cash Drawer:	5 Bill, 8 Coin with Drawer Lock & 2 Media Slots
Dimensions – ECR:	14-3/4"W x 16-3/4"D x 9-3/4"H (Including Turret)
Cash Drawer:	15-3/4"W x 17-3/4"D x 4-3/8"H
Shipping Weight:	33 lbs. (14.97 Kg)
Power Requirements:	120 AC ± 10%, 60 Hz
Power Consumption:	Approx. 25 Watts
Operating Temperature:	32° ~ 104°F (0° ~ 40°C)
Humidity Range:	30% to 80% RH (Non-Condensing)

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ER-900 Series

Multi-Use ECRs from the World's Leading ECR Builder

Features

- Choose a flat keyboard model for food service or a raised keyboard model for retail environments.
- Two-line alpha-numeric display shows each item as it is entered.
- Connects to popular POS peripherals.

Best Applications

- Food Service: Quick Service, Sandwich, Ice Cream, Deli, Cafeteria and Concessions
- Simple Table Service: Diners, Ethnic/Specialty Restaurants, Bar & Grill
- Independent Retail Merchants, Especially Simple Retail Scanning
- Simple Franchise Concepts

SAM4s ER-945 and ER-920 shown with optional card reader.

PC INTERFACE | CASH DRAWER | PRINTER | SLIP PRINTER | COIN DISPENSER | SCALE APPROVED | POLE DISPLAY | GRAPHIC DISPLAY | KITCHEN VIDEO | VIDEO SURVEILLANCE | SCANNER | LIQUOR DISPENSER | SD CARD | INTEGRATED PAYMENT | INTEGRATED MCR

SAM4s ER-925, ER-945; For Retail Merchants

Applications

Retail, Gift Shops, Convenience Stores, Beer/Wine/ Liquor, Specialty Food, Produce, Meat, Main Street Merchants

The traditional raised-key keyboard provides 21 keyboard PLU keys and can be expanded by your SAM4s dealer to 63 PLU keys. Keyboard PLUs act like traditional departments for open-priced entries or can be set as preset price keys. Large key size ensures easy-to-read key labels. Merchants who wish to scan can build their PLU file on the fly using the not-found PLU registration feature.

SAM4s ER-920, ER-940; For Food Service

Applications

Cafeterias, Quick Service, Concessions, Ice Cream / Frozen Yogurt Stands, Hamburger, Sandwich, Pizza, Coffee, Bakery, Deli's, Bars

Preset PLUs facilitate fast and accurate registrations. With 150 key locations, the flat, spill-resistant keyboard can easily accommodate large menus with preset keys for each item. Where menus change daily with breakfast, lunch or dinner times the paper key-sheet under the overlay is easily exchanged. A simplified check tracking feature is available for bars and cafes.

SAM4s ER-945 and ER-920 shown with optional card reader.

Popular Components Included

An extremely cost-effective and environmentally friendly bundle – each ER-900 series register includes a high quality cash drawer, high-speed thermal printer(s), and a rear customer display.

Operator Display

The easy-to-read, blue back-light, two-line by 16-character LCD operator screen identi-fies each item as it is entered.

Rear Display

The 9-digit LED customer display allows consumers to monitor prices as items are entered and view the sale total.

Quality Cash Drawer

Features a 5 bill, 5 coin insert with adjustable coin dividers, two media slots and a standard security lock and key.

Secure SD Port

SD Card Utilities include program Save/Load, report capture, firmware updates and graphics uploading.

Thermal Printer(s)

Choose a single printer or traditional receipt and journal model. Both versions provide fast, quiet thermal printing. Drop-in loading simplifies paper changing and virtually eliminates paper jamming.

Receipt & Journal Printer Models; ER-940, ER-945

Use a two-printer model when a customer receipt and a traditional real-time printed journal is needed for sales archival.

Single Printer Models; ER-920, ER-925

Single printer models are best for receipt-only or journal-only applications. If you choose a single printer model for printing receipts, you can record your journal electronically in the register's memory.

Electronic Journal

Single printer models are best for receipt-only or journal-only applications. If a receipt and a sales journal is needed, the journal can be archived electronically for printing at end-of-day, can be collected on an SD card, or can be polled and collected by a PC. A variety of electronic journal reports are available that allow you to quickly audit selected activities.

Receipt Featuring Graphic Logo and Message Shown 75% Actual Size

Electronic Journal Report Sorting Only Voids – Shown 75% Actual Size

Integrated Credit, Debit, EBT and Gift Card Payments

Insure Speed, Security and Efficiency

Electronic payment sales can be processed in a single step at the SAM4s ER-900 with an optional DataTran™ integrated payment appliance.

- The ER-900 Series is electronic payment and gift card processing ready – no additional software modules are required.
- Free gift card processing is available through selected processing partners.
- Transactions can be processed in two seconds or less using the latest IPTran™ or TwinTran™ technology and a persistent internet connection.
- The ER-900 payment application has been validated by the PCI Security Standards Council. The SAM4s ER-900 Series Payment Application listing can be viewed at the PCI Security Standards Council website.

POS Connections and Options

Standard RS-232C Communication

Connect to a wide array of compatible off-the-shelf POS peripherals. Two RS-232C communication ports are standard and two additional ports are available for: • Direct or Modem PC Communications with Optional Polling Software • Kitchen Printer • Slip Printer • Coin Dispenser • Scale • Pole Display • Kitchen Video • Video Surveillance • Scanner • Liquor Dispenser • DataTran™ Integrated Credit

Secure Connector Panel

Up to four RS-232C communication ports hidden behind a convenient, easy to access door located on the back of the unit.

Bar Code Scanning

Enjoy the advantages of scanning – price control, item movement reporting and labor savings.

PC Utility and SAM900

Use the PC Utility to save, edit and download programs. Poll your ECR from a local or remote PC using SAM900.

Remote Printing

Enjoy crisp high quality requisitions and orders from a high speed thermal POS printer.

Commercial Grade Construction, Long-Lasting and Serviceable ER-900 Series

ER-920
Flat, Spill-Resistant Keyboard;
Receipt Printer

ER-940
Flat, Spill-Resistant Keyboard;
Receipt and Journal Printers

ER-925
Raised-Key Keyboard;
Receipt Printer

ER-945
Raised-Key Keyboard;
Receipt and Journal Printers

Features

Available Through Memory Allocation*:
- Up to 22,000 PLUs
- Up to 99 Clerks/Cashiers
- Up to 99 Group Totals
- Up to 500 Hard or Soft Guest Checks
- Up to 2 Price Levels per PLU
- Up to 100 Mix & Match Discounts
- Up to 50,000 Lines of Electronic Journal

Programmable Keyboard Functions
- 8 Charge Keys
- 10 One-Touch Macro Keys
- 4 Automatic Currency Conversion Keys

For Convenience and Accuracy
- Automatic Tax Calculation for Up to 4 Rates or Tables
- Cancel Sale Function
- Key Lock Controlled Transaction Void
- Check Cashing
- Post Tendering
- Hash PLU Status
- Training Mode
- Not-Found PLU
- Condensed Journal (ER-940/ER-945)

Customized Quality Receipts
- Pre & Post Graphic Logos
- Up to 6-Line Pre & Post Messages
- Complete Receipt on Request

Management Reports

- Complete Financial Report
- Individual Clerk/Cashier Report
- Hourly Sales Analysis
- Reporting for Up to 99 Clerks/Cashiers
- PLU, Group and Stock Reports
- Period-To-Date Financial, Hourly, Cashier, Group and PLU Reports
- Sales by Day Report for 31 Days
- Open Check Report

Specifications

Printer Type:		Direct Thermal, Drop-and-Print
Printer Stations –	**ER-920/925:**	Single Station; Receipt/Requisition Printer
	ER-940/945:	Dual Station; Receipt and Journal Printers
Printer Speed:		22 Lines per Second
Paper Roll:		2-1/4" (58mm)
Displays –	**Operator:**	2-Line x 16 Character Alpha-Numeric Backlit LCD
	Customer:	9-Digit LED
Keyboard Capacity –	**Flat:**	150 Keys / 100 Programmable Locations
	Raised:	Up to 94 Keys / 78 Programmable Locations
Serial Ports –	**Standard:**	COM1 & COM2 (D-Sub-9M)
	Optional:	COM3 & COM4 (RJ45)
Cash Drawer Ports:		One Additional RJ11 (24V) Port (Supports Open/Close)
SD Port:		Standard
Card Reader:		Optional Integrated Dual Track MCR
Standard Cash Drawer:		5 Bill, 5 Coin with Drawer Lock and Two Media Slots
Dimensions:		15-3/4"W x 11-13/16"H x 17-3/4"D
Weight –	**Single Station:**	24.15 lbs.
	Dual Station:	25.10 lbs.
Shipping Weight:		30.55 lbs.
Power Requirements:		120 AC ± 10%, 50/60 Hz
Power Consumption:		Approximately 25 Watts
Operating Temperature:		32° ~ 104°F (0° ~ 40°C)
Humidity Range:		30% to 80% RH (Non-Condensing)
Memory Protection:		Full Charge for 24 Hours will Protect Memory for 90 Days
In the Carton:		Starter Paper Roll / Key Set / User Manual / Power Switch Cover / Cable Router Clip / Paper Take-Up Spool (ER-940/945 Only)

* Note: Memory capacity was enhanced beginning with March 2012 production. Check with your local authorized dealer to verify exact feature limits.

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